BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work: - Improvements of Roads, Drains, Footpath and Parks in ward no 08.

(Package includes 11 works of Rs 1010 Lakhs)

MEASUREMENT BOOK 4

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

PRE-MEASUREMENT BOOK

Bruhat Bengaluru Mahanagara Palike

Executive Engineer , Byatarayamnapura Division.

Date/Code: Indent No :- 008-17-000035, 008-17-000036, 008-17-000037, 008-17-000038, 008-17-000039, 008-17-000040, 008-17-000041, 008-17-000042, 008-17-000043, 008-17-000044, 008-17-000045, 25347

Bill No - 10th & Part Bill

Agency:- M/s Karthik Enterprises

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 months of Rs 1010 Lakhs)

Sl No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
1)	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime Cement Concrete.**II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20.** MCRTH Specification No. 202. (P.No. 139, I.No. 18.20 of CSR 2016-17)									
	Existing Pole Concrete									
	From Aster Compound End to		225	0.45			0.45	0.60	27.34	
	From Gadwin Public School		60	0.45			0.45	0.60	7.29	
	Culvert Slab Dismatling									
	From Aster Compound End to									
	@ 1st Main Road (CH 349-357)		1	7.00			1.50	0.23	2.42	
	@ 2nd Main Road (CH 401-406)		1	4.00			1.50	0.23	1.38	
	Ext Culvert (in Road Center)									
	Slab		1	9.00			1.50	0.23	3.11	
	Wall		2	9.00			0.23	1.00	4.14	22/10/20
	Existing Column Dismantling									
	Opposite to Gadwin Public School		3	0.30			0.25	2.30	0.52	
	at Military Ground		3	0.30			0.25	2.30	0.52	
			3	0.30			0.25	2.30	0.52	
			15	0.30			0.25	2.30	2.59	
	Existing Plinth Beam Dismantling									
			1	10.00			0.25	0.45	1.13	
			1	9.00			0.25	0.45	1.01	
			1	9.00			0.25	0.45	1.01	
			1	61.00			0.25	0.45	6.86	
	Existing Solid Block Dismantling									
	Opposite to Gadwin Public School		1	10.00			0.20	2.10	4.20	
	at Military Ground		1	9.00			0.20	2.10	3.78	

67.80

C&PC 20/10/20

C&PC 7/3/20

TEJAS CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works (Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
			1	9.00			0.20	2.10	3.78	
			1	61.00			0.20	2.10	25.62	
	Existing Coping Concrete									
			1	10.00			0.20	0.10	0.20	
			1	9.00			0.20	0.10	0.18	
			1	9.00			0.20	0.10	0.18	
			1	61.00			0.20	0.10	1.22	31.88
	Column Deduction (-)									
			-3	0.30			0.25	2.10	-0.47	
			-3	0.30			0.25	2.10	-0.47	
			-3	0.30			0.25	2.10	-0.47	
			-15	0.30			0.25	2.10	-2.36	(-) 3.78
	Retaining Wall		1	15.00			0.60	1.80	16.20	
	STP (Aster		1	18.00			0.60	2.00	21.60	7/3/24 30.8
									133.00	Cum

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Assistant Executive Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bengaluru Mahanagara Palike
Bangalore - 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works) Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
2	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)									
	Church Road		1	15.00				0.90	13.50	
			1	15.00				0.90	13.50	
			1	17.00				0.90	15.30	
									42.30	4/10/21
							Qty Limited to		0.00	Sq-m

4/10/21

Contractor

Consultant

TEJUS CONSULTANTS

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works Rs 1010 Lakhs)

BOQ No	Description of work / Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
4	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	From Aster Compound End to Sanjeevini Nagara										
	RCC New Drain										
	RHS										
	300.00	315.00	R/S	1	15.00			1.10	1.00	16.50	
	315.00	330.00	R/S	1	15.00			1.10	1.00	16.50	
	330.00	345.00	R/S	1	15.00			1.10	1.00	16.50	
	345.00	349.00	R/S	1	4.00			1.10	1.00	4.40	
	357.00	372.00	R/S	1	15.00			1.10	1.00	16.50	
	372.00	387.00	R/S	1	15.00			1.10	1.00	16.50	
	387.00	401.00	R/S	1	14.00			1.10	1.00	15.40	
	Cerrand										
	406.00	421.00	R/S	1	15.00			1.10	1.00	16.50	
	421.00	436.00	R/S	1	15.00			1.10	1.00	16.50	
	436.00	451.00	R/S	1	15.00			1.10	1.00	16.50	
	451.00	466.00	R/S	1	15.00			1.10	1.00	16.50	
	466.00	481.00	R/S	1	15.00			1.10	1.00	16.50	
	481.00	496.00	R/S	1	15.00	C4 FC		1.10	1.00	16.50	
	496.00	511.00	R/S	1	15.00			1.10	1.00	16.50	
	511.00	522.00	R/S	1	11.00	24/10/20		1.10	1.00	12.10	
	LHS										
	353.00	368.00	L/S	1	15.00			1.10	1.15	18.98	
	368.00	383.00	L/S	1	15.00			1.10	1.15	18.98	
	383.00	398.00	L/S	1	15.00			1.10	1.15	18.98	
	398.00	413.00	L/S	1	15.00			1.10	1.15	18.98	
	413.00	428.00	L/S	1	15.00			1.10	1.15	18.98	
	428.00	444.00	L/S	1	16.00			1.10	1.15	20.24	24/10/21
	RCC Culvert										
	@ 1st Main Road (CH 349-357)		R/S	1	7.00			1.30	1.00	9.10	
	Culvert (On Road Surface)			1	10.00	C4 FC		1.60	1.00	16.00	
	Culvert (On Road Surface)			1	8.00	24/10/20		1.60	1.00	12.80	
	Culvert (On Road Surface)			1	7.50			1.60	1.10	13.20	
	SSM Culvert										
	@ 2nd Cross Road		R/S	1	5.00			1.70	0.90	7.65	
	@ 2nd Main Road (CH 401-406)		R/S	1	5.00			1.70	0.90	7.65	

411.42

TELUS CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works @ Rs 1010 Lakhs)

SI.No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
		R/S	1	13.00			1.70	1.20	26.52	
		R/S	1	10.00			1.70	0.90	15.30	
		R/S	1	9.50			1.70	0.90	14.54	24/10/21
	Fixing of Existing Pole		225	0.45			0.45	0.60	27.34	
	From Shanthivana Katte to									
	Tree Guard		9	2.50			0.20	0.20	0.90	
	Shoulder Drain									
	SD1		1	2.30			0.60	0.40	0.55	
	SD2		1	4.20			0.60	0.40	1.01	
	Drain Desilt									
	Shanthivana Katte @Flagging Coarse		1	17.00			0.45	0.70	5.36	
	From Gadwin Public School				C4PC CA 10/3/21					
	Fixing of Existing Pole		60	0.45			0.45	0.60	7.29	
	For Compund Wall									
	New Columns									
	Opposite to Gadwin Public School		9	1.00			1.00	1.20	10.80	
	at Military Ground		16	1.00			1.00	1.20	19.20	
	For SSM									
	Opposite to Gadwin Public School									
			1	15.00			0.80	1.05	12.60	
			1	15.00			0.80	1.05	12.60	
			1	5.00			0.80	1.05	4.20	
	at Military Ground Inside									
			1	15.00			0.80	1.05	12.60	
			1	15.00			0.80	1.05	12.60	
			1	15.00			0.80	1.05	12.60	
			1	15.00			0.80	1.05	12.60	
			1	3.00			0.80	1.05	2.52	
	Pipe Suporting Concrete Wall @		2	0.60			0.50	1.30	0.78	
	Footpath Concrete		1	23.00			1.70	0.30	11.73	
	From NH to Sanjivininagara									
	Over Burden Earth		1	30.00			6.00	1.00	180.00	
			1	45.00			6.00	0.85	229.50	
			1	25.00			5.00	0.65	81.25	

714.38

C4PC CA 24/10/21

C4PC CA 10/3/21

TEJ CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
	From Godwins Public School									
	Over Burdan Earth		1	40.00			5.00	1.00	200.00	
			1	25.00			4.80	0.80	96.00	
			1	30.00			5.00	0.75	112.50	10/3/21
									1,534.29	**Cum**

Contractor **Consultant**

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Enginner
Byatarayanapura Division
B.B.M.P

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)										
	From Aster Compound End to										
	RCC New Drain										
	RHS										
	300.00	315.00	R/S	1	15.00			1.10	0.15	2.48	
	315.00	330.00	R/S	1	15.00			1.10	0.15	2.48	
	330.00	345.00	R/S	1	15.00			1.10	0.15	2.48	
	345.00	349.00	R/S	1	4.00			1.10	0.15	0.66	
	357.00	372.00	R/S	1	15.00			1.10	0.15	2.48	
	372.00	387.00	R/S	1	15.00			1.10	0.15	2.48	
	387.00	401.00	R/S	1	14.00			1.10	0.15	2.31	
	406.00	421.00	R/S	1	15.00			1.10	0.15	2.48	
	421.00	436.00	R/S	1	15.00			1.10	0.15	2.48	
	436.00	451.00	R/S	1	15.00			1.10	0.15	2.48	
	451.00	466.00	R/S	1	15.00			1.10	0.15	2.48	
	466.00	481.00	R/S	1	15.00			1.10	0.15	2.48	
	481.00	496.00	R/S	1	15.00			1.10	0.15	2.48	
	496.00	511.00	R/S	1	15.00			1.10	0.15	2.48	
	511.00	522.00	R/S	1	11.00			1.10	0.15	1.82	
	LHS										
	353.00	368.00	L/S	1	15.00			1.10	0.15	2.48	
	368.00	383.00	L/S	1	15.00			1.10	0.15	2.48	
	383.00	398.00	L/S	1	15.00			1.10	0.15	2.48	
	398.00	413.00	L/S	1	15.00			1.10	0.15	2.48	
	413.00	428.00	L/S	1	15.00			1.10	0.15	2.48	
	428.00	444.00	L/S	1	16.00			1.10	0.15	2.64	27/10/20
	RCC Culvert										
	@ 1st Main Road (CH 349-357)			1	7.00			1.30	0.15	1.37	
	Culvert (On Road Surface)			1	10.00			1.60	0.15	2.40	
	Culvert (On Road Surface)			1	8.00			1.60	0.15	1.92	
	Culvert (On Road Surface)			1	7.50			1.60	0.15	1.80	
	SSM Culvert										

C4E 27/10/20

C4E 28/10/20

56.99

TEJU CONSULTANCY

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
	@ 2nd Cross Road		1	5.00			1.70	0.15	1.28	
	@ 2nd Main Road (CH 401-406)		1	5.00			1.70	0.15	1.28	
			1	13.00			1.70	0.15	3.32	
			1	10.00			1.70	0.15	2.55	
			1	9.50			1.70	0.15	2.42	
	Fixing of Existing		225	0.45			0.45	0.15	6.83	28/10/20
	From Shanthivana Katte to									
	Tree Guard		9	2.50			0.20	0.10	0.45	
	Shoulder Drain									
	SD1		1	2.30			0.60	0.10	0.14	
	SD2		1	4.20			0.60	0.10	0.25	
	For Flagging									
	Shanthivana Katte @Flagging Coarse		1	17.00			0.20	0.10	0.34	
	In CC Road		3	3.50			0.20	0.10	0.21	
			1	2.90			0.20	0.10	0.06	
			1	2.70			0.20	0.10	0.05	
			1	3.20			0.20	0.10	0.06	
			1	4.80			0.20	0.10	0.10	
			1	4.60			0.20	0.10	0.09	21/4/21
	From Gadwin Public School Impact Polytechnic									
	Fixing of Existing		60	0.45			0.45	0.15	1.82	
	For Compund									
	New Columns									
	Opposite to Gadwin Public School		9	1.00			1.00	0.15	1.35	
	at Military Ground		16	1.00			1.00	0.15	2.40	
	For SSM									
	Opposite to Gadwin Public School									
			1	15.00			0.80	0.15	1.80	
			1	15.00			0.80	0.15	1.80	
			1	5.00			0.80	0.15	0.60	
	at Military Ground Inside									
			1	15.00			0.80	0.15	1.80	
			1	15.00			0.80	0.15	1.80	
			1	15.00			0.80	0.15	1.80	
			1	15.00			0.80	0.15	1.80	
			1	3.00			0.80	0.15	0.36	

C & Fc 21/4/21

C & Fc 12/3/21

3676

TEJUS CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
	Pipe Suporting Concrete Wall @		2	0.60			0.50	0.15	0.09	12/3/21
	Footpath Concrete		1	23.00			1.70	0.15	5.87	5.96
									99.70	**Cum**

12/3/21

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
6	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17)										
	From Aster Compound End to										
	RCC New Drain										
	Raft										
	RHS										
	300.00	315.00	R/S	1	15.00			1.10	0.15	2.48	
	315.00	330.00	R/S	1	15.00			1.10	0.15	2.48	
	330.00	345.00	R/S	1	15.00			1.10	0.15	2.48	
	345.00	349.00	R/S	1	4.00			1.10	0.15	0.66	
	357.00	372.00	R/S	1	15.00			1.10	0.15	2.48	
	372.00	387.00	R/S	1	15.00			1.10	0.15	2.48	
	387.00	401.00	R/S	1	14.00			1.10	0.15	2.31	
	406.00	421.00	R/S	1	15.00			1.10	0.15	2.48	
	421.00	436.00	R/S	1	15.00			1.10	0.15	2.48	
	436.00	451.00	R/S	1	15.00			1.10	0.15	2.48	
	451.00	466.00	R/S	1	15.00			1.10	0.15	2.48	
	466.00	481.00	R/S	1	15.00			1.10	0.15	2.48	
	481.00	496.00	R/S	1	15.00			1.10	0.15	2.48	
	496.00	511.00	R/S	1	15.00			1.10	0.15	2.48	
	511.00	522.00	R/S	1	11.00			1.10	0.15	1.82	
	LHS										
	353.00	368.00	L/S	1	15.00			1.10	0.15	2.48	
	368.00	383.00	L/S	1	15.00			1.10	0.15	2.48	
	383.00	398.00	L/S	1	15.00			1.10	0.15	2.48	
	398.00	413.00	L/S	1	15.00			1.10	0.15	2.48	
	413.00	428.00	L/S	1	15.00			1.10	0.15	2.48	
	428.00	444.00	L/S	1	16.00			1.10	0.15	2.64	
	Wall										
	RHS										
	300.00	315.00	R/S	2	15.00			0.15	0.70	3.15	
	315.00	330.00	R/S	2	15.00			0.15	0.70	3.15	
	330.00	345.00	R/S	2	15.00			0.15	0.70	3.15	
	345.00	349.00	R/S	2	4.00			0.15	0.70	0.84	
	357.00	372.00	R/S	2	15.00			0.15	0.70	3.15	
	372.00	387.00	R/S	2	15.00			0.15	0.70	3.15	
	387.00	401.00	R/S	2	14.00			0.15	0.70	2.94	
	406.00	421.00	R/S	2	15.00			0.15	0.70	3.15	

C & R 31/10/20

31/10/20

C & R 3/11/20

72.18

TEJUS CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
	421.00	436.00	R/S	2	15.00			0.15	0.70	3.15	
	436.00	451.00	R/S	2	15.00			0.15	0.70	3.15	
	451.00	466.00	R/S	2	15.00			0.15	0.70	3.15	
	466.00	481.00	R/S	2	15.00			0.15	0.70	3.15	
	481.00	496.00	R/S	2	15.00			0.15	0.70	3.15	
	496.00	511.00	R/S	2	15.00			0.15	0.70	3.15	
	511.00	522.00	R/S	2	11.00			0.15	0.70	2.31	
	LHS										
	353.00	368.00	L/S	2	15.00			0.15	0.60	2.70	
	368.00	383.00	L/S	2	15.00			0.15	0.60	2.70	
	383.00	398.00	L/S	2	15.00			0.15	0.60	2.70	
	398.00	413.00	L/S	2	15.00			0.15	0.60	2.70	
	413.00	428.00	L/S	2	15.00			0.15	0.75	3.38	
	428.00	444.00	L/S	2	16.00			0.15	0.90	4.32	
										111.89	Cum

3/11/20

03/11/20.

39.71

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
7	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2 **(P.No.15, I.No.4.28 of PW, P&IWTD SR 2016-17)**									
	From Aster Compound End to Sanjeevini Nagara									
	Culvert									
	For Raft									
	@ 1st Main Road (CH 349-357)	2	1	7.00				0.20	2.80	
	Culvert (On Road Surface)	2	1	10.00	c & Pc			0.20	4.00	
	Culvert (On Road Surface)	2	1	8.00	2/11/20			0.20	3.20	
	Culvert (On Road Surface)	2	1	7.50				0.20	3.00	02/11/20
	For Compund									
	New Columns									
	For Raft									
	Opposite to Gadwin Public School		9	3.60				0.45	14.58	
	at Military Ground		16	3.60				0.45	25.92	
	For Plinth Beam									
	Opposite to Gadwin Public School									
			1	15.00				0.45	6.75	
			1	15.00				0.45	6.75	
			1	5.00				0.45	2.25	
	at Military Ground Inside									
	c & Pc		1	15.00				0.45	6.75	
			1	15.00				0.45	6.75	
	5/3/21		1	15.00				0.45	6.75	
			1	15.00				0.45	6.75	
			1	3.00				0.45	1.35	05/3/21
	For Coping									
	Opposite to Gadwin Public School									
	c & Pc		1	15.00				0.10	1.50	
			1	15.00				0.10	1.50	
	15/3/21		1	5.00				0.10	0.50	
	at Military Ground Inside									
			1	15.00				0.10	1.50	
			1	15.00				0.10	1.50	
			1	15.00				0.10	1.50	

105.60

TEXUS CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
			1	15.00				0.10	1.50	
			1	3.00				0.10	0.30	
	Pipe Suporting Concrete Wall @		2	2.20				1.20	5.28	15/3/21 7.08
									112.68	**Sqm**

Contractor **Consultant**

TEJUS CONSULTANTS

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Enginner
Byatarayanapura Division
B.B.M.P

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
8	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 **(P.No.15, I.No.4.31 of PW,P&IWTD SR 2016-17)**									
	From Aster Compound End to									
	Culvert									
	For Walls									
	From Aster Compound End to									
	@ 1st Main Road (CH 349-357)	4	1	7.00				0.65	18.20	
	Culvert (On Road Surface)	4	1	10.00				0.65	26.00	
	Culvert (On Road Surface)	4	1	8.00				0.65	20.80	
	Culvert (On Road Surface)	4	1	7.50				0.75	22.50	03/11/20
	For Compund									
	New Columns									
	Below Plinth									
	Opposite to Gadwin Public School		9	1.10				0.60	5.94	
	at Military Ground		16	1.10				0.60	10.56	
	Column Above Plinth Beam									
	Opposite to Gadwin Public School		9	1.10				2.30	22.77	6/3/21
	at Military Ground		16	1.10				2.30	40.48	
									167.25	**Sqm**

3/11/20

6/3/21

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
9	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams. (P.No.18, I.No.4.48 of PW, P&IWTD SR 2016-17)									
	From Aster Compound End to									
	Culvert									
	For Raft									
	@ 1st Main Road (CH 349-357)		1	7.00			1.10	0.20	1.54	
	Culvert (On Road Surface)		1	10.00			1.20	0.20	2.40	
	Culvert (On Road Surface)		1	8.00		2/11/20	1.20	0.20	1.92	
	Culvert (On Road Surface)		1	7.50			1.20	0.20	1.80	02/11/20
	For Walls									
	@ 1st Main Road (CH 349-357)		2	7.00			0.20	0.65	1.82	
	Culvert (On Road Surface)		2	10.00			0.20	0.65	2.60	
	Culvert (On Road Surface)		2	8.00		4/11/20	0.20	0.65	2.08	
	Culvert (On Road Surface)		2	7.50			0.20	0.75	2.25	04/11/20
	Culvert Deck Slab									
	@ 2nd Main Road (CH 401-406)		1	5.00			1.20	0.25	1.50	
									17.91	
	For Compund									
	For Plinth Beam									
	Opposite to Gadwin Public School									
			1	15.00			0.25	0.45	1.69	
			1	15.00			0.25	0.45	1.69	
			1	5.00			0.25	0.45	0.56	
	at Military Ground Inside									
			1	15.00			0.25	0.45	1.69	
			1	15.00		5/3/21	0.25	0.45	1.69	
			1	15.00			0.25	0.45	1.69	
			1	15.00			0.25	0.45	1.69	
			1	3.00			0.25	0.45	0.34	05/3/21
									11.03	
	New Columns									
	For Raft									

TEJUS CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
	Opposite to Gadwin Public School		9	0.90			0.90	0.45	3.28	
	at Military Ground		16	0.90		6/3/21	0.90	0.45	5.83	6/3/21
	Below Plinth									
	Opposite to Gadwin Public School		9	0.30			0.25	0.75	0.51	
	at Military Ground		16	0.30		8/3/21	0.25	0.75	0.90	8/3/21
	Above Plinth									
			9	0.30			0.25	2.30	1.55	
			16	0.30			0.25	2.30	2.76	
	Pipe Suporting Concrete Wall @		2	0.60		15/3/21	0.50	1.20	0.72	15/3/21
									15.55	
	Culvert Ramp Concrete									
	@ 1st Main Road (CH 349-357)		2	7.00		15/3/21	0.75	0.10	1.05	
									1.05	
									45.54	**Cum**

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kathigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
10	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. (P.No.17, I.No.4.46.2 of PW, P&IWTD SR 2016-17)									
	Drain									
	From Aster Compound End to									
	RHS									
	10 mm Dia Main		1742	1.95			0.62		2,096.85	
	Distribution Bar		20	209.00			0.62		2,580.25	
	LHS									
	10 mm Dia Main		758	1.95			0.62		912.41	
	Distribution Bar		20	91.00			0.62		1,123.46	02/11/20
									6,712.96	
	Culvert @ 1st Main Road (CH 349-357)									
	Inner Bar									
	10 mm Dia Main		47	2.20			0.62		63.83	
	10 mm Dia		15	7.00			0.62		64.81	
	Outer Bar									
	10 mm Dia Main		47	2.60			0.62		75.43	
	10 mm Dia Distribution Bars		17	7.00			0.62		73.46	04/11/20
	Culvert On Road Surface									
	Inner Bar									
	10 mm Dia Main		67	2.50			0.62		103.40	
	10 mm Dia Distribution Bars		17	10.00			0.62		104.94	
	Outer Bar									
	10 mm Dia Main		67	2.90			0.62		119.94	
	10 mm Dia Distribution Bars		19	10.00			0.62		117.28	
	Culvert On Road Surface									
	Inner Bar									
	10 mm Dia Main		53	2.50			0.62		81.79	
	10 mm Dia Distribution Bars		17	8.00			0.62		83.95	
	Outer Bar									
	10 mm Dia Main		53	2.90			0.62		94.88	

983.70

TEJUS CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
	10 mm Dia Distribution Bars		19	8.00			0.62		93.83	
	Culvert On Road Surface									
	Inner Bar									
	10 mm Dia Main		50	2.50			0.62		77.16	
	10 mm Dia Distribution Bars		17	7.50			0.62		78.70	
	Outer Bar									
	10 mm Dia Main		50	2.90			0.62		89.51	
	10 mm Dia Distribution Bars		19	7.50			0.62		87.96	
										427.16
									1,410.86	
	Plinth Beam									
	Opposite to Gadwin Public School									
	16 mm dia @ Top		2	35.00			1.58		110.62	
	16 mm dia @		2	35.00			1.58		110.62	
	12 mm dia @ End Support		2	2.00			0.89		3.56	
	12mm dia @ at End Support		2	1.50			0.89		2.67	
	Extra Bar 16 mm dia @ at Bottom		2	25.00			1.58		79.01	
	Extra Bar 12mm dia @ at top		2	25.00			0.89		44.44	05/3/21
	Distribution Bars									
	Stirrups @ 8 mm		233	1.55			0.40		142.68	
	at Military Ground Inside									
	16 mm dia @ Top		2	63.00			1.58		199.11	
	16 mm dia @		2	63.00			1.58		199.11	
	12 mm dia @ End Support		2	3.00			0.89		5.33	
	12mm dia @ at End Support		2	2.80			0.89		4.98	
	Extra Bar 16 mm dia @ at Bottom		2	35.00			1.58		110.62	
	Extra Bar 12mm dia @ at top		2	35.00			0.89		62.22	
	Distribution Bars									
	Stirrups @ 8 mm Dia		420	1.55			0.40		257.19	
									1,332.15	
	Footing									
	Opposite to Gadwin Public School									

TEJAS CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
	12 mm Dia Main		7	1.00			0.89		6.22	
	12 mm Dia Distribution Bars		7	1.00			0.89		6.22	
									12.44	
							For 9 Column Footings		**112.00**	
	at Military Ground Inside									
	12 mm Dia Main		7	1.00			0.89		6.22	
	12 mm Dia Distribution Bars		7	1.00			0.89		6.22	
									12.44	
							For 16 Column Footings		***199.11***	
									311.11	
	Column									
	Opposite to Gadwin Public School									
	Main Bars									
	16 mm dia		4	3.05			1.58		19.28	
	12 mm Dia		10	3.05			0.89		27.11	
	Distribution Bars		20	1.20			0.62		14.81	
									61.20	
							For 9 Column		**550.84**	
	at Military Ground Inside									
	Main Bars									
	16 mm dia		4	3.05			1.58		19.28	
	12 mm Dia		10	3.05			0.89		27.11	
	Distribution Bars		20	1.20			0.62		14.81	
									61.20	
							For 16 Column		**979.28**	
									1,530.12	
	For Road									
	10 mm dia		134	7.10			0.62		589.87	
	10 mm dia		48	19.90			0.62		592.22	5/3/24
									1,182.09	
									12,479.30	
									12.48	**Tonne**

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
Bruhat Bengaluru Mahanagara Palike
Bangalore - 560 0[illegible]

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
14	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)									
	For Compund									
	For SSM									
	1st Step									
	Opposite to Gadwin Public School		1	15.00			0.60	0.60	5.40	
			1	15.00			0.60	0.60	5.40	
			1	5.00			0.60	0.60	1.80	
	at Military Ground		1	15.00			0.60	0.60	5.40	
			1	15.00			0.60	0.60	5.40	
			1	15.00			0.60	0.60	5.40	
			1	15.00			0.60	0.60	5.40	
			1	3.00			0.60	0.60	1.08	
	2nd Step									
	Opposite to Gadwin Public School		1	15.00			0.45	0.45	3.04	
			1	15.00			0.45	0.45	3.04	
			1	5.00			0.45	0.45	1.01	
	at Military Ground		1	15.00			0.45	0.45	3.04	
			1	15.00			0.45	0.45	3.04	
			1	15.00			0.45	0.45	3.04	
			1	15.00			0.45	0.45	3.04	
			1	3.00			0.45	0.45	0.61	
	SSM Culvert									
	@ 2nd Cross Road		2	5.00			0.45	0.60	2.70	
	@ 2nd Main Road (CH 401-406)		2	5.00			0.45	0.60	2.70	
			2	13.00			0.45	0.85	9.95	
			2	10.00			0.45	0.60	5.40	
			2	9.50			0.45	0.60	5.13	
									81.00	**Cum**

28/10/20

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Bangalore 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
17	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)									
	From Aster Compound End to Sanjeevini Nagara									
	Culvert									
	Ramp									
	@ 1st Main Road (CH 349-357)		1	7.00			0.90	0.10	0.63	
	@ 2nd Main Road (CH 401-406)		1	5.00			0.90	0.10	0.45	
	@ 2nd Cross Road		1	5.00			0.90	0.10	0.45	
	Culvert (On Road Surface)		1	10.00			0.90	0.10	0.90	
	Culvert (On Road Surface)		1	8.00			0.90	0.10	0.72	8/10/20
	Fixing of Existing		225	0.45			0.45	0.45	20.50	
	From Shanthivana Katte to Sanjeevini Nagara									
	Shoulder Drain									
	SD1		1	2.30			0.60	0.10	0.14	
	SD2		1	4.20			0.60	0.10	0.25	
	Coping Concrete									
	Shanthivana Katte @Flagging Coarse		1	17.00			0.15	0.10	0.26	
	Shoulder Drain									
	SD1		2	2.30			0.15	0.10	0.07	
	SD2		2	4.20			0.15	0.10	0.13	
	For Flagging Coarse @ Ch 445 to 459									
	@ Bottom		1	14.00			0.15	0.10	0.21	
	@ Top		1	14.00			0.15	0.10	0.21	
	From Gadwin Public School Impact Polytechnic									
	Fixing of Existing		*60*	*0.45*			*0.45*	*0.45*	*5.47*	
	For Compund									
	For Coping									
	Opposite to Gadwin Public School									
			1	15.00			0.25	0.10	0.38	
			1	15.00			0.25	0.10	0.38	
			1	5.00			0.25	0.10	0.13	
	at Military Ground Inside									
			1	15.00			0.25	0.10	0.38	
			1	15.00			0.25	0.10	0.38	
			1	15.00			0.25	0.10	0.38	

c4fe 8/10/20

c4fe 8/10/20

TEJAS CONSULTANTS

32.38

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
			1	15.00			0.25	0.10	0.38	
			1	3.00			0.25	0.10	0.08	
	Footpath Concrete		1	23.00			1.70	0.15	5.87	
									38.70	**Cum**

8/10/20

Contractor **Consultant**

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 w[illegible]s of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
18	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)									
	From Shanthivana Katte to Sanjevininagara.									
				1	2.20		3.90	0.20	1.72	
				1	3.00		5.00	0.20	3.00	
				1	4.10		4.50	0.20	3.69	
				1	3.70		1.80	0.20	1.33	
				1	2.67		7.00	0.20	3.73	
				1	2.70		3.70	0.20	2.00	
	0.00	75.00		1	75.00		1.00	0.20	15.00	
	75.00	91.50		1	16.60		1.15	0.20	3.82	
	0.00	8.00		1	8.00		0.96	0.20	1.53	
	8.00	19.00		1	11.00		1.40	0.20	3.08	
	19.00	67.00		1	48.00		1.26	0.20	12.12	
	Tea shop side Footpath			1	3.40		1.40	0.20	0.95	
				1	5.00		2.00	0.20	2.00	
				1	5.00		2.60	0.20	2.60	
				1	5.00		3.20	0.20	3.20	
				1	5.00		3.75	0.20	3.75	
				1	5.00		4.15	0.20	4.15	@ 05/12/22
									67.67	**Cum**

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palika
Bangalore - 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
25	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	New Asphalt Road										
	Full Width										
	From NH to Sanjivininagara										
	0.00	15.00		1	15.00	9.00	9.00	9.00	0.30	40.50	
	15.00	30.00		1	15.00	9.00	9.00	9.00	0.30	40.50	
	30.00	45.00		1	15.00	9.00	9.00	9.00	0.30	40.50	
	45.00	60.00		1	15.00	9.00	9.00	9.00	0.30	40.50	
	60.00	75.00		1	15.00	9.00	8.60	8.80	0.30	39.60	
	75.00	90.00		1	15.00	8.60	9.00	8.80	0.30	39.60	
	90.00	105.00		1	15.00	9.00	9.00	9.00	0.30	40.50	
	105.00	120.00		1	15.00	9.00	8.90	8.95	0.30	40.28	
	120.00	135.00		1	15.00	8.90	8.60	8.75	0.30	39.38	
	135.00	150.00		1	15.00	8.60	9.70	9.15	0.30	41.18	
	150.00	165.00		1	15.00	9.70	8.80	9.25	0.30	41.63	
	165.00	180.00		1	15.00	8.80	8.65	8.73	0.30	39.26	
	180.00	195.00		1	15.00	8.65	9.00	8.83	0.30	39.71	
	195.00	210.00		1	15.00	9.00	8.90	8.95	0.30	40.28	
	210.00	225.00		1	15.00	8.90	9.00	8.95	0.30	40.28	
	225.00	240.00		1	15.00	9.00	9.00	9.00	0.30	40.50	
	240.00	255.00		1	15.00	9.00	9.10	9.05	0.30	40.73	
	255.00	270.00		1	15.00	9.10	9.00	9.05	0.30	40.73	
	270.00	285.00		1	15.00	9.00	9.00	9.00	0.30	40.50	
	285.00	300.00		1	15.00	9.00	9.00	9.00	0.30	40.50	
	300.00	315.00		1	15.00	9.00	10.00	9.50	0.30	42.75	
	315.00	330.00		1	15.00	10.00	10.00	10.00	0.30	45.00	
	330.00	345.00		1	15.00	10.00	9.00	9.50	0.30	42.75	
	345.00	360.00		1	15.00	9.00	8.00	8.50	0.30	38.25	
	445.00	460.00		1	15.00	7.30	10.80	9.05	0.30	40.73	
	460.00	475.00		1	15.00	10.80	11.40	11.10	0.30	49.95	
	475.00	477.00		1	2.00	11.40	7.70	9.55	0.30	5.73	
	477.00	492.00		1	15.00	7.70	9.60	8.65	0.30	38.93	
	492.00	507.00		1	15.00	9.60	8.00	8.80	0.30	39.60	
	507.00	530.00		1	23.00	8.00	8.00	8.00	0.30	55.20	
	Gadwin Public School to Amco Layout										
	0.00	15.00		1	15.00	6.55	8.00	7.28	0.30	32.74	
	15.00	30.00		1	15.00	8.00	8.00	8.00	0.30	36.00	
	30.00	45.00		1	15.00	8.00	7.80	7.90	0.30	35.55	
	45.00	60.00		1	15.00	7.80	8.00	7.90	0.30	35.55	
	60.00	75.00		1	15.00	8.00	7.50	7.75	0.30	34.88	
	75.00	90.00		1	15.00	7.50	7.50	7.50	0.30	33.75	

1413.97

me of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 rks of Rs 1010 Lakhs)

DQ No	Description of work Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
e-Measurement Recorded on											
	90.00	105.00		1	15.00	7.50	7.65	7.58	0.30	34.09	
	105.00	120.00		1	15.00	7.65	8.00	7.83	0.30	35.21	
	120.00	135.00		1	15.00	8.00	8.00	8.00	0.30	36.00	
	135.00	150.00		1	15.00	8.00	7.90	7.95	0.30	35.78	
	150.00	165.00		1	15.00	7.90	7.80	7.85	0.30	35.33	
	165.00	180.00		1	15.00	7.80	8.00	7.90	0.30	35.55	
	180.00	195.00		1	15.00	8.00	8.50	8.25	0.30	37.13	
	195.00	215.00		1	20.00	8.50	8.00	8.25	0.30	49.50	
	215.00	230.00		1	15.00	8.00	8.00	8.00	0.30	36.00	
	230.00	245.00		1	15.00	8.00	8.00	8.00	0.30	36.00	
	245.00	260.00		1	15.00	8.00	7.80	7.90	0.30	35.55	
	260.00	275.00		1	15.00	7.80	8.00	7.90	0.30	35.55	
	275.00	290.00		1	15.00	8.00	8.00	8.00	0.30	36.00	
	290.00	300.00		1	10.00	8.00	7.70	7.85	0.30	23.55	
	300.00	320.00		1	20.00	7.10	6.50	6.80	0.30	40.80	
	320.00	335.00		1	15.00	6.50	6.10	6.30	0.30	28.35	
	335.00	347.00		1	12.00	6.10	8.00	7.05	0.30	25.38	
	347.00	354.00		1	7.00	8.00	8.50	8.25	0.30	17.33	09/10/20
	Road CUT										
	Shanthivana Road										
	0.00	15.00		1	15.00	1.20	1.50	1.35	0.30	6.08	
	15.00	30.00		1	15.00	1.50	1.60	1.55	0.30	6.98	
	30.00	45.00		1	15.00	1.60	1.70	1.65	0.30	7.43	
	45.00	60.00		1	15.00	1.70	1.50	1.60	0.30	7.20	
	60.00	75.00		1	15.00	1.50	1.60	1.55	0.30	6.98	
	75.00	90.00		1	15.00	1.60	1.60	1.60	0.30	7.20	
	90.00	105.00		1	15.00	1.60	1.60	1.60	0.30	7.20	
	105.00	120.00		1	15.00	1.60	1.70	1.65	0.30	7.43	
	120.00	135.00		1	15.00	1.70	1.50	1.60	0.30	7.20	
	135.00	150.00		1	15.00	1.50	1.80	1.65	0.30	7.43	
	150.00	165.00		1	15.00	1.80	1.75	1.78	0.30	7.99	
	165.00	180.00		1	15.00	1.75	1.80	1.78	0.30	7.99	
	180.00	195.00		1	15.00	1.80	1.75	1.78	0.30	7.99	
	195.00	210.00		1	15.00	1.75	1.65	1.70	0.30	7.65	
	New CC Road										
	361.00	376.00		1	15.00	7.95	9.15	8.55	1.10	141.08	
	376.00	391.00		1	15.00	9.15	10.20	9.68	1.10	159.64	
	391.00	406.00		1	15.00	10.20	10.45	10.33	1.10	170.36	
	406.00	421.00		1	15.00	10.45	8.90	9.68	1.10	159.64	
	421.00	436.00		1	15.00	8.90	7.40	8.15	1.10	134.48	
	436.00	443.50		1	7.50	7.40	7.00	7.20	1.10	59.40	1556.42
				1	8.10			6.60	0.30	16.04	09/10/20
	Man Hole Deduction										
	In Asphalt Surface										
	NH to Sanjeevininagara			-5	0.79				0.30	-1.18	
	Shanthivana Road			-9	0.79				0.30	-2.12	3.30

me of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 rks @ Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
	Godwins Public School to Impact Polyrtechnic		-8	0.79				0.30	-1.88	
	In Concrete Surface		-4	0.79				1.10	-3.45	
									2,961.75	Cum

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Enginner
Byatarayanapura Division
B.B.M.P - 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
26	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	New Asphalt Road										
	Full Width										
	From NH to Sanjivininagara										
	0.00	15.00		1	15.00	9.00	9.00	9.00	0.23	31.05	
	15.00	30.00		1	15.00	9.00	9.00	9.00	0.23	31.05	
	30.00	45.00		1	15.00	9.00	9.00	9.00	0.23	31.05	
	45.00	60.00		1	15.00	9.00	9.00	9.00	0.23	31.05	
	60.00	75.00		1	15.00	9.00	8.60	8.80	0.23	30.36	
	75.00	90.00		1	15.00	8.60	9.00	8.80	0.23	30.36	
	90.00	105.00		1	15.00	9.00	9.00	9.00	0.23	31.05	
	105.00	120.00		1	15.00	9.00	8.90	8.95	0.23	30.88	
	120.00	135.00		1	15.00	8.90	8.60	8.75	0.23	30.19	
	135.00	150.00		1	15.00	8.60	9.70	9.15	0.23	31.57	
	150.00	165.00		1	15.00	9.70	8.80	9.25	0.23	31.91	
	165.00	180.00		1	15.00	8.80	8.65	8.73	0.23	30.10	
	180.00	195.00		1	15.00	8.65	9.00	8.83	0.23	30.45	
	195.00	210.00	C+Pc	1	15.00	9.00	8.90	8.95	0.23	30.88	
	210.00	225.00	C+Pc	1	15.00	8.90	9.00	8.95	0.23	30.88	
	225.00	240.00	C+Pc	1	15.00	9.00	9.00	9.00	0.23	31.05	
	240.00	255.00	9/10/20	1	15.00	9.00	9.10	9.05	0.23	31.22	
	255.00	270.00		1	15.00	9.10	9.00	9.05	0.23	31.22	
	270.00	285.00		1	15.00	9.00	9.00	9.00	0.23	31.05	
	285.00	300.00		1	15.00	9.00	9.00	9.00	0.23	31.05	
	300.00	315.00		1	15.00	9.00	10.00	9.50	0.23	32.78	
	315.00	330.00		1	15.00	10.00	10.00	10.00	0.23	34.50	
	330.00	345.00		1	15.00	10.00	9.00	9.50	0.23	32.78	
	345.00	360.00		1	15.00	9.00	8.00	8.50	0.23	29.33	
	445.00	460.00		1	15.00	7.30	10.80	9.05	0.23	31.22	
	460.00	475.00		1	15.00	10.80	11.40	11.10	0.23	38.30	
	475.00	477.00		1	2.00	11.40	7.70	9.55	0.23	4.39	
	477.00	492.00		1	15.00	7.70	9.60	8.65	0.23	29.84	
	492.00	507.00		1	15.00	9.60	8.00	8.80	0.23	30.36	
	507.00	530.00		1	23.00	8.00	8.00	8.00	0.23	42.32	09/10/20.
	Gadwin Public School to Amco Layout										
	0.00	15.00	C+Pc	1	15.00	6.55	8.00	7.28	0.23	25.10	
	15.00	30.00	C+Pc	1	15.00	8.00	8.00	8.00	0.23	27.60	
	30.00	45.00	10/10/20	1	15.00	8.00	7.80	7.90	0.23	27.26	
	45.00	60.00		1	15.00	7.80	8.00	7.90	0.23	27.26	

1031.43

TEJAS CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
	60.00	75.00		1	15.00	8.00	7.50	7.75	0.23	26.74	
	75.00	90.00		1	15.00	7.50	7.50	7.50	0.23	25.88	
	90.00	105.00		1	15.00	7.50	7.65	7.58	0.23	26.13	
	105.00	120.00		1	15.00	7.65	8.00	7.83	0.23	27.00	
	120.00	135.00		1	15.00	8.00	8.00	8.00	0.23	27.60	
	135.00	150.00	C&R	1	15.00	8.00	7.90	7.95	0.23	27.43	
	150.00	165.00		1	15.00	7.90	7.80	7.85	0.23	27.08	
	165.00	180.00		1	15.00	7.80	8.00	7.90	0.23	27.26	
	180.00	195.00		1	15.00	8.00	8.50	8.25	0.23	28.46	
	195.00	215.00	10/10/20	1	20.00	8.50	8.00	8.25	0.23	37.95	
	215.00	230.00		1	15.00	8.00	8.00	8.00	0.23	27.60	
	230.00	245.00		1	15.00	8.00	8.00	8.00	0.23	27.60	
	245.00	260.00		1	15.00	8.00	7.80	7.90	0.23	27.26	
	260.00	275.00		1	15.00	7.80	8.00	7.90	0.23	27.26	
	275.00	290.00		1	15.00	8.00	8.00	8.00	0.23	27.60	
	290.00	300.00		1	10.00	8.00	7.70	7.85	0.23	18.06	
	300.00	320.00		1	20.00	7.10	6.50	6.80	0.23	31.28	
	320.00	335.00		1	15.00	6.50	6.10	6.30	0.23	21.74	
	335.00	347.00		1	12.00	6.10	8.00	7.05	0.23	19.46	
	347.00	354.00		1	7.00	8.00	8.50	8.25	0.23	13.28	10/10/20
	Road CUT										
	Shanthivana Road										
	0.00	15.00		1	15.00	1.20	1.50	1.35	0.23	4.66	
	15.00	30.00		1	15.00	1.50	1.60	1.55	0.23	5.35	
	30.00	45.00		1	15.00	1.60	1.70	1.65	0.23	5.69	
	45.00	60.00	C&R	1	15.00	1.70	1.50	1.60	0.23	5.52	
	60.00	75.00		1	15.00	1.50	1.60	1.55	0.23	5.35	
	75.00	90.00		1	15.00	1.60	1.60	1.60	0.23	5.52	
	90.00	105.00		1	15.00	1.60	1.60	1.60	0.23	5.52	
	105.00	120.00	10/10/20	1	15.00	1.60	1.70	1.65	0.23	5.69	
	120.00	135.00		1	15.00	1.70	1.50	1.60	0.23	5.52	
	135.00	150.00		1	15.00	1.50	1.80	1.65	0.23	5.69	
	150.00	165.00		1	15.00	1.80	1.75	1.78	0.23	6.12	
	165.00	180.00		1	15.00	1.75	1.80	1.78	0.23	6.12	
	180.00	195.00		1	15.00	1.80	1.75	1.78	0.23	6.12	601.39
	195.00	210.00		1	15.00	1.75	1.65	1.70	0.23	5.87	10/10/20
	Man Hole Deduction										
	In Asphalt Surface										
	NH to Sanjeevininagara			-5	0.79				0.23	-0.90	

TEJU CONSULTANTS

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
	Shanthivana Road		-9	0.79				0.23	-1.62	
	Godwins Public School to Impact Polyrtechnic		-8	0.79				0.23	-1.44	
									1,628.84	**Cum**

Contractor **Consultant** **Assistant Enginner** **Byatarayanapura Division** **B.B.M.P** **Assistant Executive Engineer** **Byatarayanapura Division** **B.B.M.P**

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
28	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)										
	Shanthivana Road										
	0.00	15.00		1	15.00	9.00	10.00	9.50	---	142.50	
	15.00	30.00		1	15.00	10.00	10.00	10.00	---	150.00	
	30.00	45.00		1	15.00	10.00	9.00	9.50	---	142.50	
	45.00	60.00		1	15.00	9.00	9.50	9.25	---	138.75	
	60.00	75.00		1	15.00	9.50	10.00	9.75	---	146.25	
	75.00	90.00		1	15.00	10.00	10.50	10.25	---	153.75	
	90.00	101.00		1	11.00	10.50	17.00	13.75	---	151.25	
	101.00	116.00		1	15.00	17.00	10.50	13.75	---	206.25	
	116.00	131.00		1	15.00	10.50	10.00	10.25	---	153.75	
	131.00	146.00		1	15.00	10.00	10.00	10.00	---	150.00	
	146.00	161.00		1	15.00	10.00	10.00	10.00	---	150.00	
	161.00	176.00		1	15.00	10.00	10.00	10.00	---	150.00	
	176.00	191.00		1	15.00	10.00	11.00	10.50	---	157.50	
	191.00	210.00		1	19.00	11.00	8.30	9.65	---	183.35	
											2175.85
	Deduction of Prime Coat										
	Shanthivana Road										
	0.00	15.00		-1.00	15.00	1.20	1.50	1.35	---	-20.25	
	15.00	30.00		-1.00	15.00	1.50	1.60	1.55	---	-23.25	
	30.00	45.00		-1.00	15.00	1.60	1.70	1.65	---	-24.75	
	45.00	60.00		-1.00	15.00	1.70	1.50	1.60	---	-24.00	
	60.00	75.00		-1.00	15.00	1.50	1.60	1.55	---	-23.25	
	75.00	90.00		-1.00	15.00	1.60	1.60	1.60	---	-24.00	
	90.00	105.00		-1.00	15.00	1.60	1.60	1.60	---	-24.00	
	105.00	120.00		-1.00	15.00	1.60	1.70	1.65	---	-24.75	
	120.00	135.00		-1.00	15.00	1.70	1.50	1.60	---	-24.00	
	135.00	150.00		-1.00	15.00	1.50	1.80	1.65	---	-24.75	
	150.00	165.00		-1.00	15.00	1.80	1.75	1.78	---	-26.63	
	165.00	180.00		-1.00	15.00	1.75	1.80	1.78	---	-26.63	
	180.00	195.00		-1.00	15.00	1.80	1.75	1.78	---	-26.63	
	195.00	210.00		-1.00	15.00	1.75	1.65	1.70	---	-25.50	
	Man Hole Deduction										
	In Asphalt Surface			-9	0.79				---	-7.07	349.44
								Total Quant		1,826.41	Sqm

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
38	Providing Rain Water Harvesting Pits for Drains									
	Sanjeevininagara		2						2.00	
	In CC Road								**2.00**	**No**

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palika
Bangalore - 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
42	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3(P.No.149, I.No.19.64 of PW, P&IWTD SR 2016-17)										
	New Asphalt Road										
	Full Width										
	From NH to Sanjivininagara										
	0.00	15.00		1	15.00	9.00	9.00	9.00		135.00	
	15.00	30.00		1	15.00	9.00	9.00	9.00		135.00	
	30.00	45.00		1	15.00	9.00	9.00	9.00		135.00	
	45.00	60.00		1	15.00	9.00	9.00	9.00		135.00	
	60.00	75.00		1	15.00	9.00	8.60	8.80		132.00	
	75.00	90.00		1	15.00	8.60	9.00	8.80		132.00	
	90.00	105.00		1	15.00	9.00	9.00	9.00		135.00	
	105.00	120.00		1	15.00	9.00	8.90	8.95		134.25	
	120.00	135.00		1	15.00	8.90	8.60	8.75		131.25	
	135.00	150.00		1	15.00	8.60	9.70	9.15		137.25	
	150.00	165.00		1	15.00	9.70	8.80	9.25		138.75	
	165.00	180.00		1	15.00	8.80	8.65	8.73		130.88	
	180.00	195.00		1	15.00	8.65	9.00	8.83		132.38	
	195.00	210.00		1	15.00	9.00	8.90	8.95		134.25	
	210.00	225.00		1	15.00	8.90	9.00	8.95		134.25	
	225.00	240.00		1	15.00	9.00	9.00	9.00		135.00	
	240.00	255.00		1	15.00	9.00	9.10	9.05		135.75	
	255.00	270.00		1	15.00	9.10	9.00	9.05		135.75	
	270.00	285.00		1	15.00	9.00	9.00	9.00		135.00	
	285.00	300.00		1	15.00	9.00	9.00	9.00		135.00	
	300.00	315.00		1	15.00	9.00	10.00	9.50		142.50	
	315.00	330.00		1	15.00	10.00	10.00	10.00		150.00	
	330.00	345.00		1	15.00	10.00	9.00	9.50		142.50	
	345.00	360.00		1	15.00	9.00	8.00	8.50		127.50	
	445.00	460.00		1	15.00	7.30	10.80	9.05		135.75	
	460.00	475.00		1	15.00	10.80	11.40	11.10		166.50	
	475.00	477.00		1	2.00	11.40	7.70	9.55		19.10	
	477.00	492.00		1	15.00	7.70	9.60	8.65		129.75	
	492.00	507.00		1	15.00	9.60	8.00	8.80		132.00	
	507.00	530.00		1	23.00	8.00	8.00	8.00		184.00	8/9/20
	Gadwin Public School to Amco Layout										
	0.00	15.00		1	15.00	6.55	8.00	7.28		109.13	
	15.00	30.00		1	15.00	8.00	8.00	8.00		120.00	
	30.00	45.00		1	15.00	8.00	7.80	7.90		118.50	
	45.00	60.00		1	15.00	7.80	8.00	7.90		118.50	
	60.00	75.00		1	15.00	8.00	7.50	7.75		116.25	
	75.00	90.00		1	15.00	7.50	7.50	7.50		112.50	
	90.00	105.00		1	15.00	7.50	7.65	7.58		113.63	

4826.85

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
	105.00	120.00		1	15.00	7.65	8.00	7.83		117.38	
	120.00	135.00		1	15.00	8.00	8.00	8.00		120.00	
	135.00	150.00		1	15.00	8.00	7.90	7.95		119.25	
	150.00	165.00	C&Fc	1	15.00	7.90	7.80	7.85		117.75	
	165.00	180.00		1	15.00	7.80	8.00	7.90		118.50	
	180.00	195.00		1	15.00	8.00	8.50	8.25		123.75	
	195.00	215.00		1	20.00	8.50	8.00	8.25		165.00	
	215.00	230.00	11/10/20	1	15.00	8.00	8.00	8.00		120.00	
	230.00	245.00		1	15.00	8.00	8.00	8.00		120.00	
	245.00	260.00		1	15.00	8.00	7.80	7.90		118.50	
	260.00	275.00		1	15.00	7.80	8.00	7.90		118.50	
	275.00	290.00		1	15.00	8.00	8.00	8.00		120.00	
	290.00	300.00		1	10.00	8.00	7.70	7.85		78.50	
	300.00	320.00		1	20.00	7.10	6.50	6.80		136.00	
	320.00	335.00		1	15.00	6.50	6.10	6.30		94.50	
	335.00	347.00		1	12.00	6.10	8.00	7.05		84.60	
	347.00	354.00		1	7.00	8.00	8.50	8.25		57.75	11/10/20
	Road CUT										
	Shanthivana Road										
	0.00	15.00		1	15.00	1.20	1.50	1.35		20.25	
	15.00	30.00		1	15.00	1.50	1.60	1.55		23.25	
	30.00	45.00		1	15.00	1.60	1.70	1.65		24.75	
	45.00	60.00		1	15.00	1.70	1.50	1.60		24.00	
	60.00	75.00		1	15.00	1.50	1.60	1.55		23.25	
	75.00	90.00	C&Fc	1	15.00	1.60	1.60	1.60		24.00	
	90.00	105.00		1	15.00	1.60	1.60	1.60		24.00	
	105.00	120.00		1	15.00	1.60	1.70	1.65		24.75	
	120.00	135.00		1	15.00	1.70	1.50	1.60		24.00	
	135.00	150.00	11/2/21	1	15.00	1.50	1.80	1.65		24.75	
	150.00	165.00		1	15.00	1.80	1.75	1.78		26.63	
	165.00	180.00		1	15.00	1.75	1.80	1.78		26.63	
	180.00	195.00		1	15.00	1.80	1.75	1.78		26.63	
	195.00	210.00		1	15.00	1.75	1.65	1.70		25.50	
	New CC Road										
	361.00	376.00		1	15.00	7.95	9.15	8.55		128.25	
	376.00	391.00		1	15.00	9.15	10.20	9.68		145.13	
	391.00	406.00		1	15.00	10.20	10.45	10.33		154.88	
	406.00	421.00		1	15.00	10.45	8.90	9.68		145.13	
	421.00	436.00		1	15.00	8.90	7.40	8.15		122.25	
	436.00	443.50		1	7.50	7.40	7.00	7.20		54.00	3075.44
				1	8.10			6.60		53.46	11/2/21
	Man Hole Deduction										
	In Asphalt Surface										
	NH to Sanjeevininagara			-5	0.79					-3.93	
	Shanthivana Road			-9	0.79					-7.07	10.99

TEJUS CONSULTANTS

me of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 rks of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
	Godwins Public School to Impact Polyrtechnic		-8	0.79					-6.28	
	In Concrete Surface		-4	0.79					-3.14	9.42
									7,881.88	Cum

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Assistant Executive Enginner
Byatarayanapura Division
B.B.M.P

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 wor[illegible] of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
44	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305									
	New Asphalt Road									
	Full Width									
	From NH to Sanjivininagara									
	0.00	15.00		1	15.00	9.00	9.00	9.00	0.20	27.00
	15.00	30.00		1	15.00	9.00	9.00	9.00	0.20	27.00
	30.00	45.00		1	15.00	9.00	9.00	9.00	0.20	27.00
	45.00	60.00		1	15.00	9.00	9.00	9.00	0.20	27.00
	60.00	75.00		1	15.00	9.00	8.60	8.80	0.20	26.40
	75.00	90.00		1	15.00	8.60	9.00	8.80	0.20	26.40
	90.00	105.00		1	15.00	9.00	9.00	9.00	0.20	27.00
	105.00	120.00		1	15.00	9.00	8.90	8.95	0.20	26.85
	120.00	135.00		1	15.00	8.90	8.60	8.75	0.20	26.25
	135.00	150.00		1	15.00	8.60	9.70	9.15	0.20	27.45
	150.00	165.00		1	15.00	9.70	8.80	9.25	0.20	27.75
	165.00	180.00		1	15.00	8.80	8.65	8.73	0.20	26.18
	180.00	195.00		1	15.00	8.65	9.00	8.83	0.20	26.48
	195.00	210.00		1	15.00	9.00	8.90	8.95	0.20	26.85
	210.00	225.00		1	15.00	8.90	9.00	8.95	0.20	26.85
	225.00	240.00		1	15.00	9.00	9.00	9.00	0.20	27.00
	240.00	255.00		1	15.00	9.00	9.10	9.05	0.20	27.15
	255.00	270.00		1	15.00	9.10	9.00	9.05	0.20	27.15
	270.00	285.00		1	15.00	9.00	9.00	9.00	0.20	27.00
	285.00	300.00		1	15.00	9.00	9.00	9.00	0.20	27.00
	300.00	315.00		1	15.00	9.00	10.00	9.50	0.20	28.50
	315.00	330.00		1	15.00	10.00	10.00	10.00	0.20	30.00
	330.00	345.00		1	15.00	10.00	9.00	9.50	0.20	28.50
	345.00	360.00		1	15.00	9.00	8.00	8.50	0.20	25.50
	445.00	460.00		1	15.00	7.30	10.80	9.05	0.20	27.15
	460.00	475.00		1	15.00	10.80	11.40	11.10	0.20	33.30
	475.00	477.00		1	2.00	11.40	7.70	9.55	0.20	3.82
	477.00	492.00		1	15.00	7.70	9.60	8.65	0.20	25.95
	492.00	507.00		1	15.00	9.60	8.00	8.80	0.20	26.40
	507.00	530.00		1	23.00	8.00	8.00	8.00	0.20	36.80
	Gadwin Public School to Amco Layout									
	0.00	15.00		1	15.00	6.55	8.00	7.28	0.20	21.83
	15.00	30.00		1	15.00	8.00	8.00	8.00	0.20	24.00
	30.00	45.00		1	15.00	8.00	7.80	7.90	0.20	23.70
	45.00	60.00		1	15.00	7.80	8.00	7.90	0.20	23.70
	60.00	75.00		1	15.00	8.00	7.50	7.75	0.20	23.25
	75.00	90.00		1	15.00	7.50	7.50	7.50	0.20	22.50

TEJUS CONSULTANTS

942.05

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
	90.00	105.00		1	15.00	7.50	7.65	7.58	0.20	22.73	
	105.00	120.00		1	15.00	7.65	8.00	7.83	0.20	23.48	
	120.00	135.00		1	15.00	8.00	8.00	8.00	0.20	24.00	
	135.00	150.00		1	15.00	8.00	7.90	7.95	0.20	23.85	
	150.00	165.00		1	15.00	7.90	7.80	7.85	0.20	23.55	
	165.00	180.00	C4R	1	15.00	7.80	8.00	7.90	0.20	23.70	
	180.00	195.00		1	15.00	8.00	8.50	8.25	0.20	24.75	
	195.00	215.00	CyP	1	20.00	8.50	8.00	8.25	0.20	33.00	
	215.00	230.00		1	15.00	8.00	8.00	8.00	0.20	24.00	
	230.00	245.00	10/10/24	1	15.00	8.00	8.00	8.00	0.20	24.00	
	245.00	260.00		1	15.00	8.00	7.80	7.90	0.20	23.70	
	260.00	275.00		1	15.00	7.80	8.00	7.90	0.20	23.70	
	275.00	290.00		1	15.00	8.00	8.00	8.00	0.20	24.00	
	290.00	300.00		1	10.00	8.00	7.70	7.85	0.20	15.70	
	300.00	320.00		1	20.00	7.10	6.50	6.80	0.20	27.20	
	320.00	335.00		1	15.00	6.50	6.10	6.30	0.20	18.90	
	335.00	347.00		1	12.00	6.10	8.00	7.05	0.20	16.92	
	347.00	354.00		1	7.00	8.00	8.50	8.25	0.20	11.55	S 10/10/24
	New CC Road										
	361.00	376.00		1	15.00	7.95	9.15	8.55	0.20	25.65	
	376.00	391.00	C4R	1	15.00	9.15	10.20	9.68	0.20	29.03	
	391.00	406.00	CyP	1	15.00	10.20	10.45	10.33	0.20	30.98	
	406.00	421.00		1	15.00	10.45	8.90	9.68	0.20	29.03	
	421.00	436.00	10/2/24	1	15.00	8.90	7.40	8.15	0.20	24.45	
	436.00	443.50		1	7.50	7.40	7.00	7.20	0.20	10.80	569.34 10/2/24
				1	8.10			6.60	0.20	10.69	
	Man Hole Deduction										
	In Asphalt Surface										
	NH to Sanjeevininagara			-5	0.79				0.20	-0.79	
	Godwins Public School to Impact Polyrtechnic			-8	0.79	C4R CyP 10/2/24			0.20	-1.26	
	In Concrete Surface			-4	0.79				0.20	-0.63	2.67
										1,509.31	Cum

Contractor Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Assistant Executive Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore- 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 work of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
48	KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification No. 202									
	From NH to Sanjivininaga		1	15.00					15.00	
			1	15.00					15.00	
			1	15.00					15.00	
			1	15.00					15.00	4/9/20
								For 6 Lines	60.00	
									360.00	**m**

Contractor **Consultant** **Assistant Enginner** **Byatarayanapura Division** **B.B.M.P** **Assistant Executive Enginner** **Byatarayanapura Division** **B.B.M.P**

of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 of Rs 1010 Lakhs)

Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Measurement Recorded on									
KSRRB M800-Portable barricade in construction zone KSRRB M800-43. Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 45°, 'A' frame painted with 2 coats of yellow paint, complete as per IRC:SP:55-2001 complete as per specifications. Item No 24.44 PWD SR 18-19.									
Sanjeevini Nagar									
From Aster Compound End to		431						431.00	
From Gadwin Public School		320						320.00	6/9/20
								751.00	**Each**

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 work of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on										
EIRL-5	KSRRB 300-6. Excavation soft rock without blasting for formation of roads including stacking neatly, to uniform line and level including cost of explosives, labour, HOM of machineries and equipments complete as per specifications. (with all lead and lift) MORTH / Chapter 3. PWD SR 2018-19. Item No 19.6									
	Near Aster Hospital		1	35.00			9.00	1.00	315.00	
			1	5.00			5.00	1.20	30.00	
			1	6.00			4.00	1.00	24.00	
									369.00	**Cum**

05/2/20

Contractor **Consultant** **Assistant Enginner** **Byatarayanapura Division** **B.B.M.P** **Assistant Executive Engineer** **Byatarayanapura Division** **B.B.M.P**

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
IRL-9	Crushed Coarse aggregate,(Supply of hand broken aggregates) 100mm and down size Item No 37, Code 0912, Page No II (Material Rate) PWD SR 2018-19										
	New CC Road										
	361.00	376.00		1	15.00	7.95	9.15	8.55	0.60	76.95	
	376.00	391.00		1	15.00	9.15	10.20	9.68	0.60	87.08	
	391.00	406.00		1	15.00	10.20	10.45	10.33	0.60	92.93	
	406.00	421.00		1	15.00	10.45	8.90	9.68	0.60	87.08	
	421.00	436.00		1	15.00	8.90	7.40	8.15	0.60	73.35	
	436.00	443.50		1	7.50	7.40	7.00	7.20	0.60	32.40	
				1	8.10			6.60	0.60	32.08	481.84
	Man Hole Deduction										
	In Concrete Surface			-4	0.79				0.60	-1.88	16/2/21
										479.97	Cum

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 work of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
EIRL-10	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.PWD SR 2018-19. Item No 20.5										
	New Asphalt Road										
	Full Width										
	From NH to Sanjivininagara										
	0.00	15.00		1	15.00	9.00	9.00	9.00	0.20	27.00	
	15.00	30.00		1	15.00	9.00	9.00	9.00	0.20	27.00	
	30.00	45.00		1	15.00	9.00	9.00	9.00	0.20	27.00	
	45.00	60.00		1	15.00	9.00	9.00	9.00	0.20	27.00	
	60.00	75.00		1	15.00	9.00	8.60	8.80	0.20	26.40	
	75.00	90.00		1	15.00	8.60	9.00	8.80	0.20	26.40	
	90.00	105.00		1	15.00	9.00	9.00	9.00	0.20	27.00	
	105.00	120.00		1	15.00	9.00	8.90	8.95	0.20	26.85	
	120.00	135.00		1	15.00	8.90	8.60	8.75	0.20	26.25	
	135.00	150.00		1	15.00	8.60	9.70	9.15	0.20	27.45	
	150.00	165.00		1	15.00	9.70	8.80	9.25	0.20	27.75	
	165.00	180.00		1	15.00	8.80	8.65	8.73	0.20	26.18	
	180.00	195.00		1	15.00	8.65	9.00	8.83	0.20	26.48	
	195.00	210.00		1	15.00	9.00	8.90	8.95	0.20	26.85	
	210.00	225.00		1	15.00	8.90	9.00	8.95	0.20	26.85	
	225.00	240.00		1	15.00	9.00	9.00	9.00	0.20	27.00	
	240.00	255.00		1	15.00	9.00	9.10	9.05	0.20	27.15	
	255.00	270.00		1	15.00	9.10	9.00	9.05	0.20	27.15	
	270.00	285.00		1	15.00	9.00	9.00	9.00	0.20	27.00	
	285.00	300.00		1	15.00	9.00	9.00	9.00	0.20	27.00	
	300.00	315.00		1	15.00	9.00	10.00	9.50	0.20	28.50	
	315.00	330.00		1	15.00	10.00	10.00	10.00	0.20	30.00	
	330.00	345.00		1	15.00	10.00	9.00	9.50	0.20	28.50	
	345.00	360.00		1	15.00	9.00	8.00	8.50	0.20	25.50	
	445.00	460.00		1	15.00	7.30	10.80	9.05	0.20	27.15	
	460.00	475.00		1	15.00	10.80	11.40	11.10	0.20	33.30	
	475.00	477.00		1	2.00	11.40	7.70	9.55	0.20	3.82	
	477.00	492.00		1	15.00	7.70	9.60	8.65	0.20	25.95	
	492.00	507.00		1	15.00	9.60	8.00	8.80	0.20	26.40	
	507.00	530.00		1	23.00	8.00	8.00	8.00	0.20	36.80	22/9/20
	Gadwin Public School to Amco Layout										
	0.00	15.00		1	15.00	6.55	8.00	7.28	0.20	21.83	
	15.00	30.00		1	15.00	8.00	8.00	8.00	0.20	24.00	
	30.00	45.00		1	15.00	8.00	7.80	7.90	0.20	23.70	
	45.00	60.00		1	15.00	7.80	8.00	7.90	0.20	23.70	

C4R CP 22/9/20

C4R CP 12/10/20

TEJUS CONSULTANTS

896.90

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 work of Rs 1010 Lakhs)

BOQ No	Description of work / Chainage		Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
Pre-Measurement Recorded on											
	60.00	75.00		1	15.00	8.00	7.50	7.75	0.20	23.25	
	75.00	90.00		1	15.00	7.50	7.50	7.50	0.20	22.50	
	90.00	105.00		1	15.00	7.50	7.65	7.58	0.20	22.73	
	105.00	120.00		1	15.00	7.65	8.00	7.83	0.20	23.48	
	120.00	135.00		1	15.00	8.00	8.00	8.00	0.20	24.00	
	135.00	150.00		1	15.00	8.00	7.90	7.95	0.20	23.85	
	150.00	165.00		1	15.00	7.90	7.80	7.85	0.20	23.55	
	165.00	180.00		1	15.00	7.80	8.00	7.90	0.20	23.70	
	180.00	195.00		1	15.00	8.00	8.50	8.25	0.20	24.75	
	195.00	215.00	C&R 17/10/20	1	20.00	8.50	8.00	8.25	0.20	33.00	
	215.00	230.00		1	15.00	8.00	8.00	8.00	0.20	24.00	
	230.00	245.00		1	15.00	8.00	8.00	8.00	0.20	24.00	
	245.00	260.00		1	15.00	8.00	7.80	7.90	0.20	23.70	
	260.00	275.00		1	15.00	7.80	8.00	7.90	0.20	23.70	
	275.00	290.00		1	15.00	8.00	8.00	8.00	0.20	24.00	
	290.00	300.00		1	10.00	8.00	7.70	7.85	0.20	15.70	
	300.00	320.00		1	20.00	7.10	6.50	6.80	0.20	27.20	
	320.00	335.00		1	15.00	6.50	6.10	6.30	0.20	18.90	
	335.00	347.00		1	12.00	6.10	8.00	7.05	0.20	16.92	17/10/20
	347.00	354.00		1	7.00	8.00	8.50	8.25	0.20	11.55	454.47
	Man Hole Deduction										
	In Asphalt Surface										
	NH to Sanjeevininagara			-5	0.79				0.20	-0.79	
	Godwins Public School to Impact Polyrtechnic			-8	0.79				0.20	-1.26	2.04
										1,349.32	**Cum**

Contractor **Consultant**

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore-560 092

Assistant Executive Enginner
Byatarayanapura Division
B.B.M.P

me of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 rks of Rs 1010 Lakhs)

OQ No	Description of work / Chainage	Side	No.	Length m			Breadth m	Depth m	Quantity	Unit
e-Measurement Recorded on										
RL-11	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601 of MORTH V Revision and -do- with OPC at 420 kg/cum and coarse aggregate 0.64cum, fine aggregate 0.36cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. item no 22.1.2, Page No 174. PWD SR 2018-19									
	New CC Road									
	361.00	376.00		1	15.00	7.95	9.15	8.55	0.15	19.24
	376.00	391.00		1	15.00	9.15	10.20	9.68	0.15	21.77
	391.00	406.00		1	15.00	10.20	10.45	10.33	0.15	23.23
	406.00	421.00		1	15.00	10.45	8.90	9.68	0.15	21.77
	421.00	436.00		1	15.00	8.90	7.40	8.15	0.15	18.34
	436.00	443.50		1	7.50	7.40	7.00	7.20	0.15	8.10
				1	8.10			6.60	0.15	8.02
	Man Hole Deduction									
	In Concrete Surface			-4	0.79				0.15	-0.47
										119.99

120.46
8/10/24

Cum

Contractor

Consultant

Assistant Enginner
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092
Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

DETAIL-MEASUREMENT BOOK

Bruhat Bengaluru Mahanagara Palike

Executive Engineer , Byatarayamnapura Division.

Tender Notification Number :- EE/BTP/BBMP/E-PMT/22/2016-17 Date: 09.03.2017

Job Code / Indent No :- 008-17-000035, 008-17-000036, 008-17-000037, 008-17-000038, 008-17-000039, 008-17-000040, 008-17-000041, 008-17-000042, 008-17-000043, 008-17-000044, 008-17-000045, 25347

AGENCY:- M/s Karthik Enterprises

Name of Work:- Improvements of Roads,Drains, Footpath and Parks in ward no 08 .(Package includes 11 works of Rs 1010 Lakhs)

Bill No - 10th & Part Bill

Measurement Recorded on

BOQ No	Description of work / Chainage	Side	No.	Length m	B1 m	B2 m	Avg Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete.**II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20.** MORTH Specification No. 202. (P.No. 139, I.No. 18.20 of CSR 2016-17)											
	Qty vide Pre measurement sheet page no .(2)								133.00			
	Quantity to be Paid								**132.98**	**Cum**		
								Up to 125%	**18.40**	**Cum**	**488.86**	**8,995.00**
								Above 125%	**114.58**	**Cum**	**478.42**	**54,817.00**
2	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)											
	Qty vide Pre measurement sheet page no .(3)								**42.30**			
	Quantity Limited to be Paid								**0.00**	**Sq-m**	**84.48**	**0.00**
4	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)											
	Qty vide Pre measurement sheet page no . (6)								1,534.29			
	Quantity to be Paid								**1,534.29**	**Cum**	**202.30**	**3,10,387.00**
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)											559188.00
	Qty vide Pre measurement sheet page no . (9)								99.70			
	Quantity to be Paid								**99.70**	**Cum**	**5608.71**	**5,59,179.00**
6	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17)											559188.00
	Qty vide Pre measurement sheet page no . (11)								111.89			
	Quantity to be Paid								**111.89**	**Cum**	**11568.66**	**12,94,360.00**
7	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2 **(P.No.15, I.No.4.28 of PW, P&IWTD SR 2016-17)**											1294417.00
	Qty vide Pre measurement sheet page no . (13)								112.68			
	Quantity to be Paid								**112.68**	**Sq-m**		
								Up to 125%	**28.04**	**Sq-m**	**256.76**	**7,200.00**
								Above 125%	**84.64**	**Sq-m**	**251.28**	**21,268.00**

TEJAS CONSULTANTS

Asstt. Exe. Engr.

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore

BOQ No	Description of work / Chainage	Side	No.	Length m	B1 m	B2 m	Avg Breadth m		Unit	Rate in Rs.	Amount in Rs.
8	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping ... of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 **(P.No.15, I.No.4.31 of PW,P&IWTD SR 2016-17)**										
	Qty vide Pre measurement sheet page no . 14							167.25			
	Quantity to be Paid							**167.25**	**Sq-m**	**325.67**	**54,468.00**
9	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams. (P.No.18, I.No.4.48 of PW, P&IWTD SR 2016-17)										
	Qty vide Pre measurement sheet page no . (16)							45.54			
	Quantity to be Paid							**45.54**	**Cum**	**6534.60**	**2,97,561.00**
10	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. (P.No.17, I.No.4.46.2 of PW, P&IWTD SR 2016-17)										297586.00
	Qty vide Pre measurement sheet page no . (19)							12.48			
	Quantity to be Paid							**12.48**	**Tonne**	**62300.47**	**7,77,510.00**
14	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)							80.98			
	Qty vide Pre measurement sheet page no . (20)							81.00			
	Quantity to be Paid							**81.00**	**Cum**	**4653.92**	**3,76,968.00**
	Measurement Recorded on-										376874.00
15	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(P.No.24, I.No.5.26.2 of PW, P&IWTD SR 2016-17)										
	From National Highway to Shanthivana Katte										
	In CC Road			3	3.50			0.20	2.10		
				1	2.90			0.20	0.58		
				1	2.70			0.20	0.54		
				1	3.20			0.20	0.64		
				1	4.80			0.20	0.96		
				1	4.60			0.20	0.92		
	From Shanthivanakatte to Sanjeevininagara										
	Tree Guard			9	2.50			0.20	4.50		
	Shoulder Drain										
	SD1	2.00		1	2.30			0.20	0.92		
	SD2	2.00		1	4.20			0.20	1.68		
	Shanthivana Katte @Flagging Coarse			1	17.00			0.40	6.80		
	For Flagging Coarse @	2.00		1	14.00			0.20	5.60		
	For Compund Wall										
	Opposite to Gadwin Public School			1	15.00			2.10	31.50		
				1	15.00			2.10	31.50		

88.24

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

BOQ No	Description of work / Chainage		Side	No.	Length m	B1 m	B2 m	Avg Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
				1	5.00				2.10	10.50			
	at Military Ground Inside			1	15.00				2.10	31.50			
				1	15.00				2.10	31.50			
				1	15.00				2.10	31.50			
				1	15.00				2.10	31.50			
				1	3.00				2.10	6.30	142.80		8/10/21
										231.04	Sqm		
									Up to 125%	201.06	Sqm	1008.15	2,02,699.00
									Above 125%	29.98	Sqm	986.61	29,579.00
17	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)												
	Qty vide Pre measurement sheet page no . (22)									38.70			
	Quantity to be Paid									38.70	Cum	6047.76	2,34,022.00
18	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)												234048.00
	Qty vide Pre measurement sheet page no . (23)									67.67			
	Quantity to be Paid									67.67	Cum	218.97	14,818.00
	Measurement Recorded on-												
20	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)												
	Cover Slab												
	From Aster Compound End to Sanjeevini Nagara												
	RHS												
	300.00	315.00	R/S	1	15.00			0.90		13.50			
	315.00	330.00	R/S	1	15.00			0.90		13.50			
	330.00	345.00	R/S	1	15.00			0.90		13.50			
	345.00	349.00	R/S	1	4.00			0.90		3.60			
	357.00	372.00	R/S	1	15.00			0.90		13.50			
	372.00	387.00	R/S	1	15.00			0.90		13.50			
	387.00	401.00	R/S	1	14.00			0.90		12.60			
	406.00	421.00	R/S	1	15.00			0.90		13.50			
	421.00	436.00	R/S	1	15.00			0.90		13.50			
	436.00	451.00	R/S	1	15.00			0.90		13.50			
	451.00	466.00	R/S	1	15.00			0.90		13.50			
	466.00	481.00	R/S	1	15.00			0.90		13.50			
	481.00	496.00	R/S	1	15.00			0.90		13.50			
	496.00	511.00	R/S	1	15.00			0.90		13.50			
	511.00	522.00	R/S	1	11.00			0.90		9.90			
	LHS												
	353.00	368.00	L/S	1	15.00			0.90		13.50			
	368.00	383.00	L/S	1	15.00			0.90		13.50			
	383.00	398.00	L/S	1	15.00			0.90		13.50			
	398.00	413.00	L/S	1	15.00			0.90		13.50			
	413.00	428.00	L/S	1	15.00			0.90		13.50			
	428.00	444.00	L/S	1	16.00			0.90		14.40			
										270			

C & FC 8/10/21

C & FC 8/10/21

C & FC 26/10

TEJUS CONSULTANTS

N.D

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palika
Bangalore - 560 092

BOQ No	Description of work / Chainage	Side	No.	Length m	B1 m	B2 m	Avg Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
	Shoulder Drain											
	SD1		1	2.30			0.75		1.73			
	SD2		1	4.20			0.60		2.52			
	Missing Slabs In Amco Layout		13			0.60	0.90		7.02			
									281.27	Sqm	1780.52	5,00,798.00
	Measurement Recorded on-											
21	Providing and fixing **RCC Precast cover slab of 250mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)											
	From Aster Compound End to Sanjeevini Nagara											
	Culvert Slab											
	@ 1st Main Road (CH 349-357)		1	7.00			1.50	--	10.50			
	Culvert (On Road Surface)		1	10.00			1.20	--	12.00			
	Culvert (On Road Surface)		1	8.00			1.20	--	9.60			
	Culvert (On Road Surface)		1	7.50			1.20	--	9.00			
	SSM Culvert											
	@ 2nd Cross Road		1	5.00			1.50	--	7.50			
			1	13.00			1.50	--	19.50			
			1	10.00			1.50	--	15.00			
			1	9.50			1.50	--	14.25			
									97.35	Sqm	4995.53	4,86,315.00
	Measurement Recorded on-											
22	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P.No.25, I.No.5.30 of PW,P&IWTD S.R 2016-17)											
	From NH to Sanjivininagara											
	0.00	15.00	1	15.00				/0.45	33.00			
	15.00	30.00	1	15.00				/0.45	33.00			
	30.00	45.00	1	15.00				/0.45	33.00			
	45.00	60.00	1	15.00				/0.45	33.00			
	60.00	75.00	1	15.00				/0.45	33.00			
	75.00	90.00	1	15.00				/0.45	33.00			
	90.00	105.00	1	15.00				/0.45	33.00			
	105.00	120.00	1	15.00				/0.45	33.00			
	120.00	135.00	1	15.00				/0.45	33.00			
	135.00	150.00	1	15.00				/0.45	33.00			
	150.00	165.00	1	15.00				/0.45	33.00			
	165.00	180.00	1	15.00				/0.45	33.00			
	180.00	195.00	1	15.00				/0.45	33.00			
	195.00	210.00	1	15.00				/0.45	33.00			
	210.00	225.00	1	15.00				/0.45	33.00			
	225.00	240.00	1	15.00				/0.45	33.00			
	240.00	255.00	1	15.00				/0.45	33.00			
	255.00	270.00	1	15.00				/0.45	33.00			
	270.00	285.00	1	15.00				/0.45	33.00			

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Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 0[illegible]

BOQ No	Description of work		Side	No.	Length	B1	B2	Avg Breadth	Depth	Quantity	Unit	Rate in Rs.	Amount in Rs.
	Chainage				m	m	m	m	m				
	285.00	300.00		1	15.00				/0.45	33.00			
	From Shanthivana Katte to Sanjevininagara.												
	0.00	15.00		1	15.00				/0.45	33.00			
	15.00	30.00		1	15.00				/0.45	33.00			
	30.00	45.00		1	15.00				/0.45	33.00			
	45.00	60.00		1	15.00				/0.45	33.00			
	60.00	75.00		1	15.00				/0.45	33.00			
	75.00	90.00		1	15.00				/0.45	33.00			
	90.00	105.00		1	15.00				/0.45	33.00			
	105.00	120.00		1	15.00				/0.45	33.00			
	120.00	135.00		1	15.00				/0.45	33.00			
	135.00	150.00		1	15.00				/0.45	33.00			
	150.00	165.00		1	15.00				/0.45	33.00			
	165.00	180.00		1	15.00				/0.45	33.00			
	180.00	195.00		1	15.00				/0.45	33.00			
	195.00	206.00		1	11.00				/0.45	24.00			
	Missing Kerb Amco Layout			1	2.00				/0.45	4.00			
				1	3.00				/0.45	7.00			
				1	5.00				/0.45	11.00			
										1,135.00	**Nos**	**347.90**	**3,94,867.00**
25	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)												
	Qty vide Pre measurement sheet page no . 26									2,998.33	2961.75		
	Quantity to be Paid									**2,998.33**	**Cum**		
				Restricted(9+4)				Up to 125%		**585.08**	**Cum**	**162.28**	**94,946.00**
								Above 125%		**2,413.25**	**Cum**	**158.81**	**3,83,260.00**
26	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)									2376.67		3,77,439.00	
	Qty vide Pre measurement sheet page no . 29									1,628.84			
	Quantity to be Paid									**1,628.84**	**Cum**		
								Up to 125%		**0.00**	**Cum**	**1854.01**	**0.00**
								Above 125%		**1,628.84**	**Cum**	**1814.40**	**29,55,380.00**
										1567.79			28413714
28	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)												
	Qty vide Pre measurement sheet page no . 30									1,826.41			
	Quantity to be Paid									**1,826.41**	**Sqm**	**3.33**	**6,082.00**
	Measurement Recorded on-												

TEJUS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

BOQ No	Description of work / Chainage	Side	No.	Length m	B1 m	B2 m	Avg Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
	Cement concrete pavement.Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 ltsconforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. Item no 22.6.1 . PWD SR 2018-19											
	New CC Road		Cum									
	361.00	376.00		1	15.00	7.95	9.15	8.55	0.20	25.65		
	376.00	391.00		1	15.00	9.15	10.20	9.68	0.20	29.03		
	391.00	406.00		1	15.00	10.20	10.45	10.33	0.20	30.98		
	406.00	421.00		1	15.00	10.45	8.90	9.68	0.20	29.03		
	421.00	436.00		1	15.00	8.90	7.40	8.15	0.20	24.45		
	436.00	443.50		1	7.50	7.40	7.00	7.20	0.20	10.80		
				1	8.10			6.60	0.20	10.69		
										160.62		
								Qty Limited to		158.54	Cum	5776.55	3e6966.00
								Qty up to 125%		53.14	Cum	5776.55	3,06,984.00
								Qty Above 125%		105.40	Cum	5653.15	5,95,836.00
	Providing Rain Water Harvesting Pits for Drains												595842.00
	Qty vide Pre measurement sheet page no . 31									2.00			
	Quantity to be Paid									2.00	No	22020.60	44,041.00
	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3(P.No.149, I.No.19.64 of PW, P&IWTD SR 2016-17)												
	Qty vide Pre measurement sheet page no . 34									7,881.88			
	Quantity to be Paid									7,881.88	Sqm		
								Up to 125%		4,828.75	Sqm	5.56	26,848.00
								Above 125%		3,053.13	Sqm	5.44	16,606.00
													16609.00
	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305												
	Qty vide Pre measurement sheet page no . 36									1,509.31			
	Quantity to be Paid									1,509.31	Cum	335.68	5,06,646.00
	KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification No. 202												
	Qty vide Pre measurement sheet page no . 37									360.00			
	Quantity to be Paid									360.00			
								BOQ		40.00			
								Up to 125%		50.00	m	46.68	2,334.00
								Above 125%		310.00	m	45.69	14,163.00
	Measurement Recorded on-												

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike

BOQ No	Description of work / Chainage	Side	No.	Length m	B1 m	B2 m	Avg Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
50	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint. (P.No.266 of I.No.37.3 in PW,P&IWTD S.R 2018-19)											
	Next to Gadwin Public School		1	200.00				2.15	430.00			
	From Aster Compound End to Sanjeevini		1	50.00				2.15	107.50			
									537.50	Sqm		
								Up to 125%	105.00	Sqm	732.49	76,911.00
								Above 125%	432.50	Sqm	716.84	3,10,034.00
	Measurement Recorded on-											
EIRL-1	Removing and refixing of existing chainlink fencing.(Approved copy enclosed)											
	R&R of Fencing											
	From Aster Compound End to Sanjeevini		400.00					2.15	860.00			
	From Gadwin Public School Impact		130.00					2.15	279.50			
									1,139.50	Sq-m	235.00	2,67,783.00
	Measurement Recorded on-											
EIRL-2	Removing and refixing of existing poles.(Approved copy enclosed)											
	R&R of Poles for Fencing											
	From Aster Compound End to Sanjeevini		155					3.00	465.00			
	From Gadwin Public School Impact		63					3.00	189.00			
									654.00	m	210.00	1,37,340.00
	Measurement Recorded on-											
EIRL-3	KSRRB M300- Wrought iron and mild steel welded work KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.(P.No.150 I.No.19.97 of PW,P&IWTD SR of 2018-19)											
	Next to Gadwin Public School											
	Pole 60mm x 60mm x 5mm		100	3.00			4.50		1,350.00	Kg		
	4.5 kg /m											
	12 mm Horizontal bar											
	0.888 Kg/m		4	200.00			0.89		710.40	Kg		
	From Aster Compound End to Sanjeevini											
	Pole 60mm x 60mm x 5mm		70	3.00			4.50		945.00	Kg		
	4.5 kg /m											
	12 mm Horizontal bar											
	0.888 Kg/m		4	50.00			0.89		177.60	Kg		
	Above Compound Wall											
	@ Godwins Public School											
	Pole 45mm x 45mm x 4mm		58	0.90			2.70		141.75	Kg		
	@ Military Ground Inside		105	0.90			2.70		255.15	Kg		

TEJAS CONSULTANTS

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 032

BOQ No	Description of work / Chainage	Side	No.	Length m	B1 m	B2 m	Avg Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
									3,579.90	Kg		8/10/21
									35.80	Quintal	8755.96	3,13,454.00
EIRL-4	KSRRB M800-Portable barricade in construction zone KSRRB M800-43. Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 45°, 'A' frame painted with 2 coats of yellow paint, complete as per IRC:SP:55-2001 complete as per specifications. Item No 24.44 PWD SR 18-19.											313463.00
	Qty vide Pre measurement sheet page no . 38								751.00			
	Quantity to be Paid Ud to 740.								751.00	Each	3033.58	22,78,217.00
EIRL-5	KSRRB 300-6. Excavation soft rock without blasting for formation of roads including stacking neatly, to uniform line and level including cost of explosives, labour, HOM of machineries and equipments complete as per specifications. (with all lead and lift) MORTH / Chapter 3. PWD SR 2018-19. Item No 19.6											22,44,849.00
	Qty vide Pre measurement sheet page no . 39								369.00			
	Quantity to be Paid								369.00	Cum	1532.63	5,65,539.00
	Measurement Recorded on-											565540.00
EIRL-6	KSRB15-3.5 : Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P.No. 112, I.No. 15.13 of PWD SR 2018-19											
	For Compund Wall											
	Opposite to Gadwin Public School	2	1	15.00				2.10	63.00			
		2	1	15.00				2.10	63.00			
		2	1	5.00				2.10	21.00			
	at Military Ground Inside	2	1	15.00				2.10	63.00			
		2	1	15.00				2.10	63.00			
		2	1	15.00				2.10	63.00			
		2	1	15.00				2.10	63.00			
		2	1	3.00				2.10	12.60			
												8/10/21
									411.60	Sqm	269.25	1,10,821.00
	Measurement Recorded on-											110823.00
EIRL-8	KSRB 14.6-2: Providing & laying heavy duty cobble stones 75mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW,P&IWTD SR 2018-19)											
	From Shanthivana Katte to Sanjevininagara.											
			1	2.20			3.90		8.58			
			1	3.00			5.00		15.00			
			1	4.10			4.50		18.45			
			1	3.70			1.80		6.66			
			1	2.67			7.00		18.67			
									0.00			
			1	2.70			3.70		9.99			
	0.00 75.00		1	75.00			1.00		75.00			

152.35

TEHS CONSULTANTS

M.D

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 032

BOQ No	Description of work / Chainage		Side	No.	Length m	B1 m	B2 m	Avg Breadth m	Depth m	Quantity	Unit	Rate in Rs.	Amount in Rs.
	75.00	91.50		1	16.60			1.15		19.09			
	0.00	8.00		1	8.00			0.96		7.67			
	8.00	19.00		1	11.00			1.40		15.40			
	19.00	67.00		1	48.00			1.26		60.60	102.76		8/10/21
										255.10	**Sqm**	**1352.32**	**3,44,981.00**
RL-9	Crushed Coarse aggregate,(Supply of hand broken aggregates) 100mm and down size Item No 37, Code 0912, Page No II (Material Rate) PWD SR 2018-19												344977.00
	Qty vide Pre measurement sheet page no . 40									479.97			
	Quantity Limited to be Paid									**476.58**	**Cum**	**1541.34**	**7,34,566.00**
RL-10	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.PWD SR 2018-19. Item No 20.5												734572.00
	Qty vide Pre measurement sheet page no . 42									1,349.32			
	Quantity to be Paid									**1,349.32**	**Cum**	**2292.85**	**30,93,797.00**
RL-11	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601 of MORTH V Revision and -do- with OPC at 420 kg/cum and coarse aggregate 0.64cum, fine aggregate 0.36cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. item no 22.1.2, Page No 174. PWD SR 2018-19												3093788.00
	Qty vide Pre measurement sheet page no . 43									119.99			531971.00
	Quantity Limited to be Paid									**119.14**	**Cum**	**4465.09**	**5,31,978.00**
	Measurement Recorded on-												
RL-12	Providing barbed GI wire fencing of 12x12 gauge drawn into stone pillars or iron pillars including drawing in holes wherever necessary excluding the cost of pillars but including the cost of barbed wire and binding wire etc., complete. (P.No.266 I.No.37.5 of PW,P&IWTD SR of 2018-19)												
	Barbed Gi Wire												
	@ Godwins Public School			1	35.00					35.00			
	@ Military Ground Inside			1	63.00					63.00			
									x 5	98.00		490	
	For 4 Lines									**392.00**			15284.08
										392.00	**m**	**38.99**	**15,282.00**
												Total Amount	**1,93,53,831.00**

Contractor **Consultant** **Assistant Enginner** Byatarayanapura Division B.B.M.P **Assistant Executive Enginner** Byatarayanapura Division B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092